## Ordering Guide and System Wattage

The dimming range will be significantly shorter when using F13T8, F25T8 (3ft) or when delamping UltraMax® Dimming ballasts. Please see GElighting.com product specifications for a complete listing of product specifications by ballast, lamp type and number of lamps per ballast.

<table>
<thead>
<tr>
<th># of Lamps</th>
<th>Initial Lumen</th>
<th>Watts per sq. ft.</th>
<th>Lumen per Watt</th>
<th>Est Avg Foot Candles</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>10000</td>
<td>1.0</td>
<td>100</td>
<td>46</td>
</tr>
<tr>
<td>4</td>
<td>20000</td>
<td>0.5</td>
<td>200</td>
<td>93</td>
</tr>
<tr>
<td>6</td>
<td>30000</td>
<td>0.3</td>
<td>300</td>
<td>140</td>
</tr>
<tr>
<td>8</td>
<td>40000</td>
<td>0.2</td>
<td>400</td>
<td>187</td>
</tr>
</tbody>
</table>

### System Watts

- **100%:** 82 W
- **50%:** 41 W
- **25%:** 20 W

### Lamps

- **Bi-Level:** 100% to 60%
- **Instant Start:** 60% to 40%
- **Variable:** 40% to 10%

### System Lumens

- **100%:** 2850 Lm
- **50%:** 1425 Lm
- **25%:** 712.5 Lm

### Est Avg Foot Candles

- **100%:** 46 fc
- **50%:** 23 fc
- **25%:** 12 fc

### Energy Savings (Watt)

- **100%:** 22.1 W
- **50%:** 11.1 W
- **25%:** 5.6 W

### Assumptions

- **# of Returns:** 100
- **Area to be lit (sq ft):** 10000
- **Coefficient of Utilization:** 72%
- **Est. Fixture Spacing (ft):** 10.0
- **Height:** 73 in.
- **Width:** 120 in.

### Physical Parameters

<table>
<thead>
<tr>
<th>2, 3, 4 Lamp Ballast</th>
<th>5, 6 Lamp Ballast</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mount Height: 9.50 in.</td>
<td>Mount Height: 11.14 in.</td>
</tr>
<tr>
<td>Width: 1.20 in.</td>
<td>Width: 1.70 in.</td>
</tr>
<tr>
<td>Height: 1.20 in.</td>
<td>Height: 1.20 in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>S60 &amp; V60 Ballasts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mount Height: 9.50 in.</td>
</tr>
<tr>
<td>Mount Length: 27 in.</td>
</tr>
<tr>
<td>Width: 1.20 in.</td>
</tr>
<tr>
<td>Height: 1.20 in.</td>
</tr>
</tbody>
</table>

### Breakthrough Technology That Offers the Highest Efficiency Ballast While Providing Dimming Capability for an Additional 40% Energy Savings

- **Instant Start Ballasts**
- **Bi-Level Dimming & Load Shed 0-10V Dimming**

### ecomagination

- GE Lighting

### Now Available UltraMax® Dimming

- **2H, 3H, 4H**
- **S60 & V60 Ballasts**

### GE National Customer Service Center

1-888-GEBALLAST (432-2552)

For product specifications and application information, please consult GE’s Website: www.gelighting.com

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GE revolutionizes lighting again with the new UltraMax® Dimming

In the GE labs, our engineers have developed ballasts that are the highest efficiency, lowest watts and allow various light levels without sacrificing efficiency during dimming.

The innovative, patented technology in our Platinum UltraMax® electronic ballasts allow more flexibility in lighting design then ever before at an affordable price well below conventional dimming ballasts.

Multi-Voltage technology means a single UltraMax® model handles voltage from 120 through 277

UltraMax® Ballasts can virtually "read" the incoming voltage and adapt automatically to any voltage from 108V to 305V. The benefits of Multi-Voltage Control (MVC) are obvious.

“Tunable” ballast factor (light level)
The most versatile line of ballasts available. With just four ballasts you can design your lighting system to operate one through six of the F32T8 family of lamps including the GE Ultra energy saving lamps, select a light level between ~3400 to 22,000 lumens with a system wattage ranging between 34 to 215 watts without sacrificing system efficiency. Design your lighting system to "tune" the light level to the ambient light or desires while saving up to 60% by dimming!

GE’s UltraMax® line is the only full line of T8 ballasts with a UL Type CC Anti-Arc Rating

UL Type CC Rating is a stringent designation for protection against arcing in electrical devices. GE's UltraMax line is the only full line of T8 ballasts with a UL Type CC Anti-Arc Guard design eliminating the damaging effects arcing can have on lamps, ballasts and sockets.

High efficiency delivers over 40% energy savings.

All UltraMax® ballasts exceed the NEMA Premium® minimum efficiency requirements. The Platinum UltraMax® 6H ballast establishes a new energy efficiency threshold at 95% ballast efficiency! Systems combining UltraMax® electronic ballasts and T8 energy saving lamps deliver over 40% energy savings over standard T12 systems. Where and when light can be lowered reduce your energy costs.

-20F Minimum Starting Temperature.

Cold temperature starting performance with standard T8 lamps.

UL 55C Ambient Rating.

GE’s UltraMax® patented high temperature protection circuit ensures ballasts run cool in high temperatures. UltraMax® is one of the only electronic T8 ballasts that pass UL's stringent high temperature testing requirements for safe operation up to 55C ambient environments.

Anti-Striation Control for better light quality, with no striations.

UltraMax® patented Anti-Striation Control circuit eliminates lamp striations, often referred to as spiraling or racoon tailing. This provides a flicker- and worry-free environment.

A big idea in a small package.
The Platinum UltraMax® 2H, 3H and 4H ballast has a small, low profile 9.5 x 1.7 x 1.2” housing. The 6H makes T8 highbay assembly faster and easier with just one ballast in an amazing 11.14 x 1.7 x 1.2” housing. That means fixture designs can be more compact and streamlined.

UltraMax® Dimming are instant start ballasts and are limited to approximately 5 on/off cycles per day to avoid significantly shortening lamp life. It is not recommended to use sensors to control ballast on/off cycles and doing so may void lamp warranty. However sensors may be used on the high low switching wire and gray/violet input of the ballast with the sensor setting recommended no less than 5 minutes per cycle without sacrificing lamp life.

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**Safety & Performance**
- No PCBs
- FCC Class A
- UL Listed
- UL 55C Ambient Rating
- Type-1 Outdoor
- Type-CC
- Type HI (Hazardous Location)

**Application Information**
- Minimum Starting Temp: -20°F, -18°C
- Anti-Striation Control
- Sound Rated A
- Remote Mounting: -18' maximum length, -18 AWS
- High Frequency Lamp Operation: ~ 68 kHz

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**Electronic Dimming**

- Line Voltage Dimming
- 0-10V Low Voltage Dimming